

Coordinator: Emmanuel O. Akala, R.Ph., Ph.D.

Lead Tutor: Mr. Ositadinma Akaeme

### Lectures and Examinations Schedule

#### WEEK 1: JUNE 30-7, 2017 (ANATOMY/PHYSIOLOGY)

TIME	Friday 6/30/17	MONDAY 7/3/17	WEDNESDAY 7/5/17	THURSDAY 7/6/17	FRIDAY 7/7/17
9:00 12:00	<b>Pharmacy Biomedical Preview (PBP) Program Overview</b>	Nerve Excitability (Hussein)	Anatomy of the Heart (Hussein)	Overview of Blood Vessels (Hussein)	A&P Week 1 Review (Hussein)
12:00 1:00	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>
1:00 4:00	<b>Anatomy &amp; Physiology: General Cell Biology &amp; Physiology (Frimpong)</b>	Organization and Division of the Nervous System & Cranial Nerves: Sensory, Motor, Mixed (Frimpong)	Physiology of the Heart (Frimpong)	Blood and Lymphatic System (Omenankiti)	<b>Anatomy/Physiology: Skeletal Muscle Anatomy (Chukwurah)</b>
6:00 7:00		<b>Anatomy/Physiology Quiz 1 (Hussein/Frimpong)</b>		<b>Anatomy/Physiology Quiz 2 (Frimpong/Omenankiti)</b>	

#### WEEK 2: JULY 10-14, 2017 (ANATOMY/PHYSIOLOGY)

TIME	MONDAY 7/10/17	TUESDAY 7/11/17	WEDNESDAY 7/12/17	THURSDAY 7/13/17	FRIDAY 7/14/17
9:00 12:00	<b>A&amp;P Week 1 Final Examination</b> (Hussein, Frimpong, Omenankiti, Chukwurah)	Gastrointestinal System: Basic Anatomy (Omenankiti)	Anatomy of the Kidneys and Bladder (Anderson)	Physiology of the Kidney Part II (Anderson)	Anatomy/Physiology Week 2 Review (Stubbs)
12:00 1:00	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>	<b>LUNCH (ON YOUR OWN)</b>
1:00 4:00	<b>Anatomy &amp; Physiology: Skeletal Muscle Physiology (Stubbs)</b>	Gastrointestinal System: Basic Physiology (Omenankiti)	Physiology of the Kidney (Omenankiti)	Physiology of the Bladder & the Role of Some Drugs Affecting the Urinary System (Omenankiti)	Anatomy/Physiology Week 2 Review (Omenankiti/Anderson)
6:00		<b>Anatomy/Physiology Quiz 3 (Stubbs)</b>		<b>Anatomy/Physiology Quiz 4 (Anderson/Omenankiti)</b>	

7:00					
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### **Lectures and Examinations Schedule Continued**

#### **WEEK 3: JULY 17-21, 2017 (MICROBIOLOGY/IMMUNOLOGY)**

TIME	MONDAY 7/17/17	TUESDAY 7/18/17	WEDNESDAY 7/19/17	THURSDAY 7/20/17	FRIDAY 7/21/17
9:00 12:00	<b>A&amp;P Week 2 Final Examination</b> (Stubbs/Anderson/Omenankiti)	Bacterial Cell Wall Morphology; Mechanisms of Pathogenicity (Briggs)	Gram Positive Infections (Staph, Strep, Clostridium) (Richards)	Intro to Immunology (Hamdi)	Overview of Antimicrobial Agents (Eze)
12:00 1:00	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN))
1:00 4:00	<b>Microbiology:</b> Bacterial Metabolism, Growth and Genetics (Briggs)	Gram Negative Infections (Entero, Neisseria, Vibrio) (Richards)	Atypical Infections (Mycoplasma, Mycobacterium, Chlamydia & Fungal Classification) (Hamdi)	Intro to Immunology (Eze)	Microbiology Review (Eze/Richards/Hamdi/Briggs)
6:00 7:00		<b>Microbiology Quiz 1</b> (Briggs)		<b>Microbiology Quiz 2</b> (Richards/Hamdi)	

#### **WEEK 4: JULY 24- JULY 28, 2017 (BIOCHEMISTRY)**

TIME	MONDAY 7/24/17	TUESDAY 7/25/17	WEDNESDAY 7/26/17	THURSDAY 7/27/17	FRIDAY 7/28/17
9:00 12:00	<b>Microbiology Final Examination</b> (Briggs/Hamdi/Richards/Eze)	Overview of the Amino Acids (Fotso)	Introduction to Carbohydrates and Glycolysis (Hussein)	Glycogen Metabolism, Electron Transport/Oxidative Phosphorylation (Omenankiti)	Biochemistry Review (Omenankiti/Hussein)
12:00 1:00	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)
1:00 4:00	<b>Biochemistry:</b> Overview of Nucleic Acid Chemistry & The Central Dogma: DNA, RNA, Protein Biosynthesis (Fotso)	Basic Concepts in Protein Structure (Lincoln)	Gluconeogenesis, TCA Cycle & Pentose Phosphate Pathway (Lincoln)	Introduction to Enzymes, Michaelis-Menten Kinetics (Hussein)	<b>Pharmaceutical Calculations:</b> The International System of Units (Anderson)
6:00 7:00		<b>Biochemistry Quiz 1</b> (Fotso)		<b>Biochemistry Quiz 2</b> (Omenankiti/Hussein/Lincoln)	

## Lectures and Examinations Schedule Continued

**WEEK 5: July 31-August 4, 2017 (PHARMACEUTICAL MATHEMATICS)**

TIME	MONDAY 7/31/17	TUESDAY 8/1/17	WEDNESDAY 8/2/17	THURSDAY 8/3/17	FRIDAY 8/4/17
9:00 12:00	<b>Biochemistry Final Examination</b> (Fotso/Omenankiti/ Hussein/Lincoln)	Density, Specific Gravity, and Specific Volume (Kwevie)	Electrolyte Solutions: Milliequivalents, Millimoles, and Milliosmoles (Kwevie)	The Alligation Method (Kwevie)	Calculations Review: Example Problems and their Solutions (Anderson/Kwevie)
12:00 1:00	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)	<b>LUNCH</b> (ON YOUR OWN)
1:00 4:00	<b>Pharmaceutical Calculations:</b> Reducing and Enlarging Formulas (Chukwurah)	Percentage, Ratio, and Other Expressions of Concentration (Chukwurah)	Rate of Flow of Intravenous Fluids (Chukwurah)	Calculations Review: Example Problems and their Solutions (Anderson/Kwevie/ Chukwurah)	<b>Pharmaceutical Calculations Final Examination</b> (Anderson/Chukwurah/Kwevie)
6:00 7:00		<b>Pharmaceutical Calculations Quiz 1</b> (Chukwurah/Kwevie/ Anderson)		<b>Pharmaceutical Calculations Quiz 2</b> (Kwevie/Chukwurah)	<b>5:00PM Dinner Reception w/COP Administrators, COE Faculty/Staff &amp; Completion of PBP Survey</b>

### PBP Instructors

PBP INSTRUCTOR	E-MAIL ADDRESS	COURSES
Ositadinma Akaeme	<a href="mailto:Obakaeme1@gmail.com">Obakaeme1@gmail.com</a>	PBP Coordinator
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